



TROPICAL CYCLONE BULLETIN NO. 4

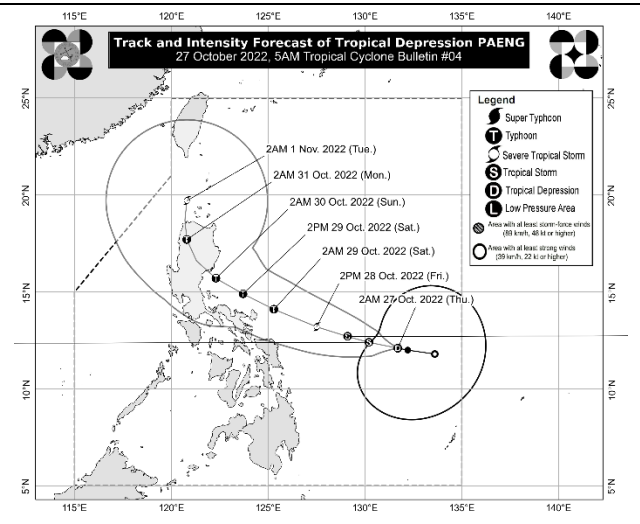
Tropical Depression PAENG

Issued at 5:00 AM, 27 October 2022

Valid for broadcast until the next bulletin at 11:00 AM today

“PAENG” MAINTAINS ITS STRENGTH OVER THE PHILIPPINE SEA

Location of Center (4:00 AM)
The center of Tropical Depression “PAENG” was estimated based on all available data at 660 km East of Borongan City, Eastern Samar (12.1°N, 131.5°E)
Intensity
Maximum sustained winds of 55 km/h near the center, gustiness of up to 70 km/h , and central pressure of 1000 hPa
Present Movement
West northwestward at 10 km/h
Extent of Tropical Cyclone Winds
Strong winds extend outwards up to 460 km from the center



TRACK AND INTENSITY FORECAST

Date and Time	Center Position			Intensity		Movement dir. and speed (km/h)
	Lat. (°N)	Lon. (°E)	Location	MSW (km/h)	Cat.	
12-Hour Forecast 2:00 PM 27 October 2022	12.4	130.2	605 km East of Catarman, Northern Samar	65	TS	WNW 15
24-Hour Forecast 2:00 AM 28 October 2022	12.7	129.1	555 km East of Juban, Sorsogon	85	TS	WNW 10
36-Hour Forecast 2:00 PM 28 October 2022	13.2	127.5	410 km East of Legazpi City, Albay	100	STS	WNW 15
48-Hour Forecast 2:00 AM 29 October 2022	14.1	125.3	130 km East Northeast of Virac, Catanduanes	120	TY	WNW 20
60-Hour Forecast 2:00 PM 29 October 2022	14.9	123.7	220 km East of Infanta, Quezon	140	TY	WNW 15
72-Hour Forecast 2:00 AM 30 October 2022	15.7	122.3	Over the coastal waters of Casiguran, Aurora	150	TY	WNW 15
96-Hour Forecast 2:00 AM 31 October 2022	17.7	120.8	In the vicinity of Lagangilang, Abra	120	TY	NW 10
120-Hour Forecast 2:00 AM 01 November 2022	19.7	120.8	85 km Northwest of Calayan, Cagayan	110	STS	N 10

Prepared by:  **RPG**

Checked by:  **ADA**



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TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT			
TCWS No.	Luzon	Visayas	Mindanao
1 Wind threat: Strong winds	The northern portion of Eastern Samar (San Julian, Sulat, Taft, Can-Avid, Dolores, Maslog, Oras, San Policarpo, Arteche, Jipapad, City of Borongan) and the eastern portion of Northern Samar (Lapinig, Gamay, Mapanas, Palapag, Laoang, Pambujan, Catubig, Las Navas)	-	-
	Warning lead time: 36 hours Potential impacts of winds: Minimal to minor threat to life and property		

HAZARDS AFFECTING LAND AREAS

Heavy Rainfall

- *Tomorrow early morning through evening:* Moderate to heavy with at times intense rains likely over Bicol Region, Eastern Visayas. Light to moderate with at times heavy rains possible over MIMAROPA, BARMM, Zamboanga Peninsula, Northern Mindanao, Caraga, Quezon, Cagayan, Isabela, Apayao, Aurora, and the rest of Visayas.
- *Tomorrow evening through Saturday:* Heavy to torrential rains possible over Bicol Region, Northern Samar, and Quezon. Moderate to heavy with at times intense rains possible over Metro Manila, Western Visayas, Aurora, Bulacan, Mindoro Provinces, Marinduque, Romblon, the eastern portions of Cagayan and Isabela, the rest of Eastern Visayas, and CALABARZON. Light to moderate with at times heavy rains possible over Cordillera Administrative Region, Zamboanga Peninsula, BARMM, and the rest of Visayas, Cagayan Valley, Central Luzon, and MIMAROPA.
- Under these conditions, **flooding and rain-induced landslides are expected**, especially in areas that are highly or very highly susceptible to these hazard as identified in hazard maps and in localities with significant antecedent rainfall.
- **Heavy rain areas may be updated** in the succeeding bulletins **should there be significant shifts in the track and intensity forecast** of PAENG.
- Due to the Shear Line and the trough of PAENG, heavy rains are possible over Visayas, most of Southern Luzon, and the northern and western portions of Mindanao. For more information, refer to the 24-Hour Public Weather Forecast issued at 4:00 AM today and Weather Advisory #4 issued at 11:00 PM yesterday.

Severe Winds

- Strong winds may be experienced within any of the areas where Tropical Cyclone Wind Signal (TCWS) No. 1 is hoisted throughout the entire passage of PAENG. Per latest track and intensity forecast, **the highest wind signal that will likely be hoisted is Wind Signal No. 4**, in anticipation of typhoon-force conditions associated with PAENG.
- In the next 24 hours, the surge of the Northeast Monsoon will also bring **strong winds with gusts reaching gale-force strength** over Batanes, Babuyan Islands, Quezon, Bicol Region, Marinduque, Romblon, and the northern portions of mainland Cagayan, Apayao, and Ilocos Norte.

HAZARDS AFFECTING COASTAL WATERS

- Under the influence of the surge of the Northeast Monsoon, a **marine gale warning** is in effect over the seaboard of Northern Luzon and the eastern seaboard of Central Luzon, Southern Luzon, and Visayas. For more information, refer to Gale Warning #8 issued at 5:00 AM today.
- In the next 24 hours, the combined effects of the surge of the Northeast Monsoon and the approaching tropical cyclone may also bring **moderate to rough seas** (1.5 to 3.5 m) over the eastern seaboard of Mindanao. These conditions may be risky for those using small seacrafts. Mariners are advised to take precautionary measures when venturing out to sea and, if possible, avoid navigating in these conditions.



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TRACK AND INTENSITY OUTLOOK

- Tropical Depression PAENG is forecast to track generally west northwestward over the Philippine Sea through Sunday while moving towards the northern or central portion of Luzon. On the forecast track, a landfall scenario is possible on Sunday within any of the coastal areas along the eastern portions of Central Luzon or mainland Cagayan Valley. Considering recent shifts in the forecast track, a possible southward shift in the possible area of landfall (i.e., towards the eastern portions of Central or Southern Luzon) is not ruled out at this time.
- PAENG may further intensify while moving over warm waters of the Philippine Sea. It is forecast to reach tropical storm category within 24 hours and may become a typhoon by Saturday. The occurrence of rapid intensification in the next 72 hours is not ruled out.

Considering these developments, the public and disaster risk reduction and management offices concerned are advised to take all necessary measures to protect life and property. Persons living in areas identified to be highly or very highly susceptible to these hazards are advised to follow evacuation and other instructions from local officials. **For heavy rainfall warnings, thunderstorm/rainfall advisories, and other severe weather information specific to your area, please monitor products issued by your local PAGASA Regional Services Division.**

The next tropical cyclone bulletin will be issued at 11:00 AM today.

DOST-PAGASA